

Implementing a service-oriented architecture for earth resources information

SOA and Geological Data



DEPARTMENT OF
PRIMARY INDUSTRIES

earth
resources

Who's responsible

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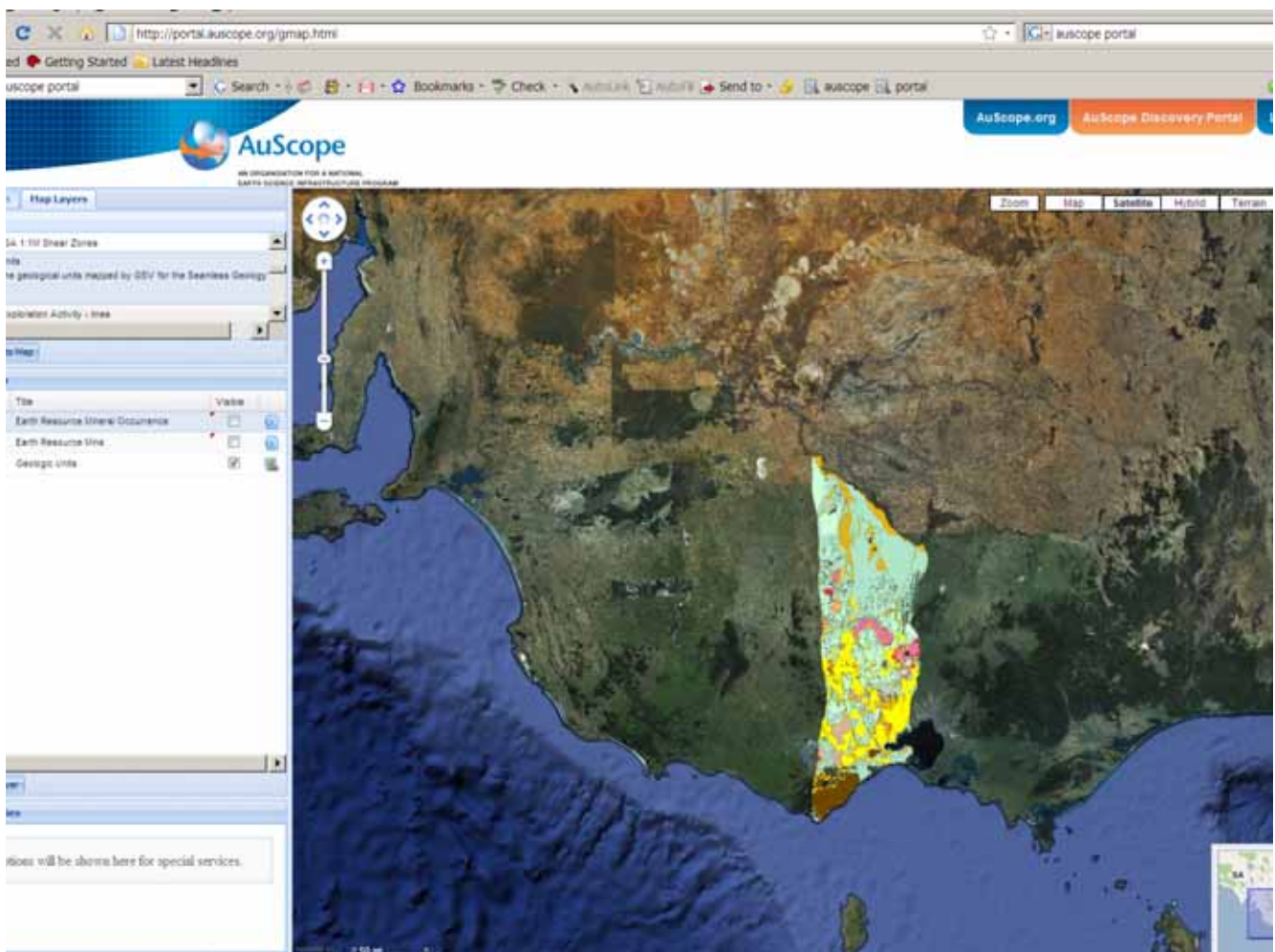
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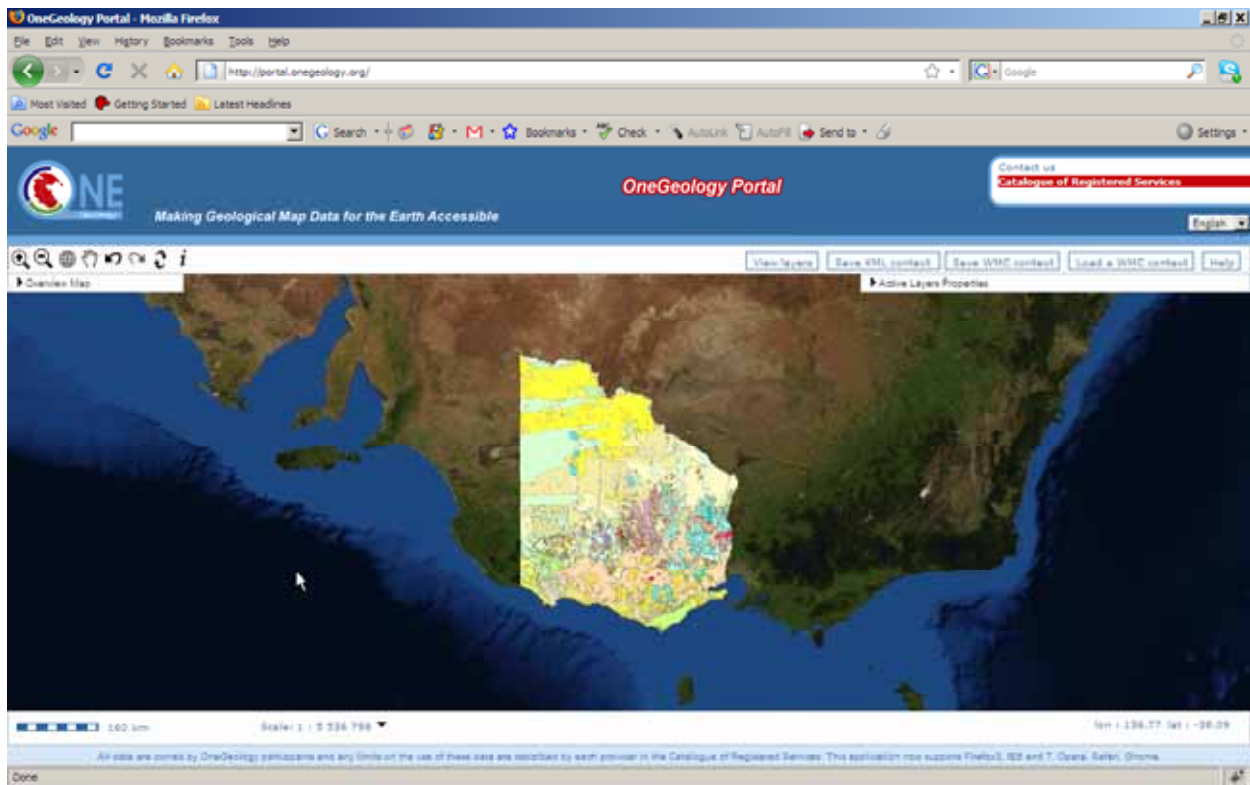
What GeoScience Victoria Does

Our Mission:

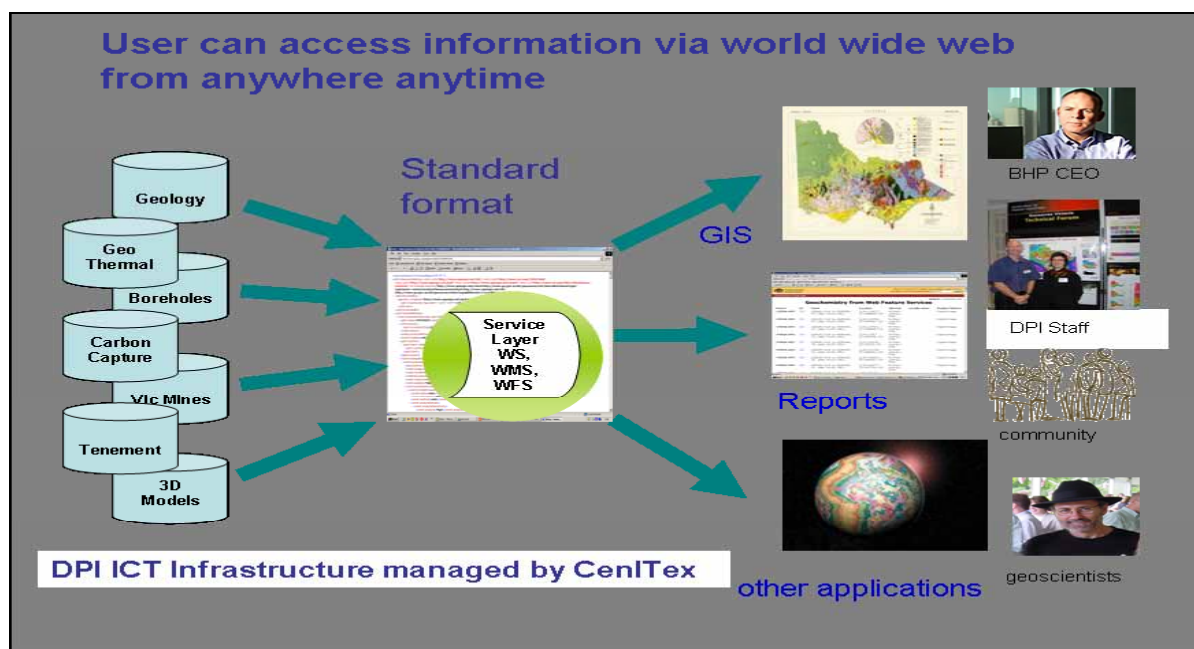
- Attract new minerals and petroleum explorers to Victoria
- Promote Victoria as the place for minerals and petroleum investment
- Custodianship of geoscientific information as a valuable and current asset
- Global access to geoscientific information
- Government is informed of the extent and value of the resources to Victoria

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Our Solution



Our Solution

- Best tools for the Job
- Java (JEE) based for new applications
- Integrate with (Ingres) OpenRoad and COTS based systems
- Present current systems as services
- Moving our legacy applications to COTS or Java (JEE)

Sounds so simple

You Just Need

- Patience did I mention Patience
- Common understanding this means from management to tea person
- Well thought out plan
- Well designed architecture
- Supportive and efficient IT Provider that understands the business



Challenges

As with many new concepts or directions

Technology is not the only issue (minor).

Management

- Departmental to Branch

Technical

- Programmers
- Vendors
- Central IT

Domain

- Users - Science

Challenges

Internal

- We have always done it like this before, why change
- What do we get from this approach
- It's easier to go straight to the database
- How much will it cost
- Tribal Warfare !

SOA TEAM

Responsibilities:

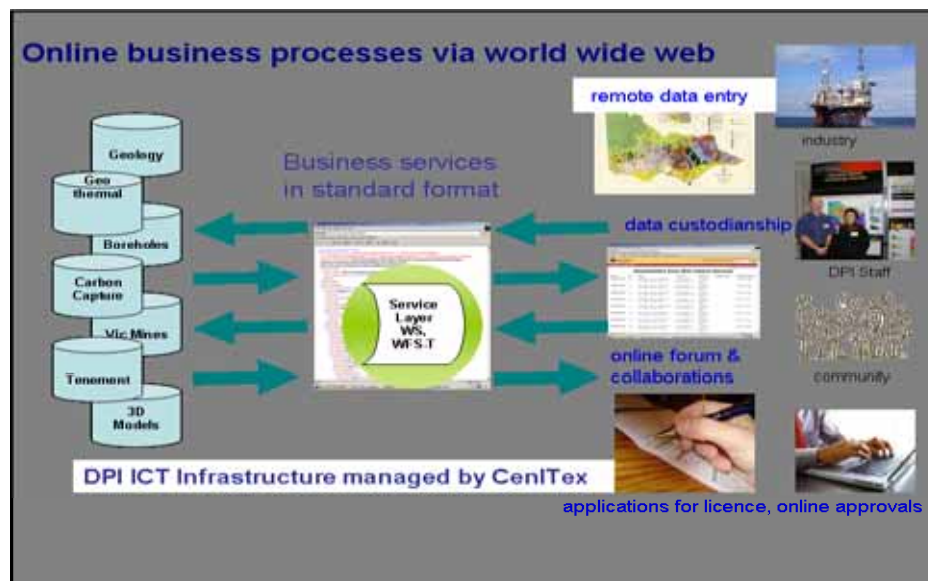
- Design and Architecture
- Motivation of the rest of the Team
- Automate as much of the processes as possible
- Make SOA approach second nature to the rest of the team
- Constantly reinforce the big vision

The SOA Team in Action





Our Goal



Summary

- Big Ideas SOA
- Hard work
- Still trying worth the effort
- **Not Everything should be a service !!!**

Finally

Thanks To

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Senior Information Geoscientist

GeoScience Victoria

Questions ?